



i-ALERT™ Condition Monitor (CM) Quick Reference

⚠ WARNING: Never operate this equipment without guarding properly installed. Never heat CM to temperatures in excess of 300°F (149°C). Never expose CM to open flame. Entanglement, high temperatures or flames could result in serious personal injury or death.

⚠ NOTICE: Always reset CM when the pump is started after maintenance, system change, or down-time. Failure to do so may result in false baseline levels that could cause CM to alert in error.

⚠ NOTICE: Be careful when using magnetic devices (such as magnetic vibration monitoring probes or magnetic bases for indicators) in close proximity to the CM. Magnetic devices can accidentally activate or deactivate the CM resulting in improper alarm levels or loss of monitoring.

For more detailed information, refer to i-ALERT™ Condition Monitor Installation, Operation and Maintenance Manual P2000642, available at www.bellgossett.com

Installation of Condition Monitor

1. Place i-ALERT™ Condition Monitor on the pump bearing frame pad.
2. Insert 1/4-28 button head screw and torque to 6lb-ft (8 N-m).

Activation of Condition Monitor

1. Assure pump is running and has reached steady flow and pressure. This process normally takes only a few minutes.
2. Place a small magnet on the CM over the ITT logo for approximately one second, then remove the magnet. Activation is indicated by a series of flashes of the red LEDs.

Routine operation of Condition Monitor

Normal: The green LED on the CM will blink approximately every five seconds to indicate proper levels and adequate battery power.

Alarm mode: If either vibration or temperature limits are exceeded over a period of ten-minutes, the CM enters alarm mode. The CM indicates improper pump operation with two red flashing LEDs at two-second intervals (alarm mode). When the CM is in alarm mode, the cause of the condition should be investigated and necessary corrections made in a timely manner.

Deactivation of Condition Monitor

1. Place a small magnet on the CM over the ITT logo until the red LEDs blink three times (10-15 seconds if in normal operating mode; approximately five seconds if in alarm mode).
2. Remove the magnet.
3. If successful, red LEDs will illuminate for approximately two seconds.

Reset Condition Monitor

If CM is operating, deactivate as described in the Deactivation of Condition Monitor section. Reset CM by activating as described in the Activation of Condition Monitor section.